

## Costa Rica – 14-24 March 2008



For the 2008 Spring Break Jim Pease, Jim Dinsmore, and I took a group of 14 Iowa State University students on a natural history trip to Costa Rica. The purpose of the trip was to spend approximately 2 days in each 4 of the 12 Life Zones (plus a brief stop in a fifth Life Zone) to sample some of the country's biological diversity. The trip was a huge success and we tallied 19 species of mammals, 313 species of birds, 22 species of amphibians and reptiles, and an incredible diversity of insects and plants.

14 March

We assembled at Science II at 7 a.m. to drive to the airport. Arrived Des Moines at 8:15 a.m., plane was 30 minutes late departing to Dallas, where we arrived at 12:30 p.m. The plane to Miami was also 40 minutes late and we arrived there at 4 p.m. After a 1 ½ hour layover we departed on time for San Jose where we arrived at 8:40 p.m. We were greeted with another lengthy wait in Customs before we met by Franklin and arrived at Hotel Rincon de San Jose at 10:15 p.m. We were assigned rooms, drank some Imperial beer, and got to bed by 11:45 p.m.

15 March



Many of us arose just after sunrise to bird the hotel grounds and vicinity before breakfast. We saw lots of birds, including spectacular looks at a Blue-crowned Motmot, Crimson-fronted Parakeets, Plain Wren, and several neotropical migrants on their way north. We ate a quick breakfast of fresh fruit, toast, eggs, ham, and orange juice before leaving for the town center at 8:30 a.m. We spent about an hour touring downtown San Jose before returning to the hotel and checking out at 10:15 a.m. From there we headed west and then south to Carara, enjoyed the change in forest type from moist to dry (along with climbing temperatures!), and saw birds that included Roadside Hawk, Blue-throated Goldentail, and Chestnut-mandibled Toucan. We enjoyed a traditional lunch of rice and beans with choice of meat, fresh salad, and drinks at a roadside tienda. Our next stop was the Tarcoles River crossing where we enjoyed nice looks at several large American

Crocodiles. The crossing was great for birds and we saw a distant male Yellow-billed Cotinga, many herons, Mississippi Kite, Yellow-headed Caracara, and Mangrove Swallow. We then continued the short distance to Carara, arriving there at 2:45 p.m.

After checking into Hotel Carara (right on the ocean) several people went swimming while others walked along the beach. The trees adjacent to the hotel were frequented by several cooperative Scarlet Macaws and a flyby Crane Hawk while the offshore waters held Magnificent Frigatebirds, Brown Pelicans, Laughing Gulls, and a Royal Tern. Several of us walked north along the road towards the mouth of the Tarcoles River and saw lots of birds – Mangrove Black-Hawk, 3 Ferruginous Pygmy-Owls, Common and Lesser nighthawks, White-collared Swift, Orange-chinned Parakeet, Black-crowned Tityra, and Rufous-naped Wren. After a short rest we drove to a small restaurant south of Carara for dinner at 7 p.m. – rice



and beans, several choices of seafood, ceviche, and drinks. We were back at the hotel by 8:30, just in time for a short meeting before a night hike up the beach. The hike was pretty slow although we did see 4 species of crabs including Mangrove Crab, several cool spiders, and many interesting constellations in the night sky. We returned to the hotel at 10 p.m. and were asleep shortly thereafter. [partly cloudy, intermittent light afternoon showers, temperature 65-89°F, winds west 10-20 mph]

16 March



Several of us awoke early (5:30 a.m.) for a bird hike before breakfast. We began by sitting on the beach for an hour watching seabirds in the Gulf of Nicoya. There were hundreds of Brown Pelicans and Laughing Gulls and a few Royal Terns, but little else. An adult Peregrine Falcon buzzed a flock of swallows feeding at the river mouth and we saw a Spotted Sandpiper on the beach. A quick walk north of the hotel produced a few wading birds and many Scarlet Macaws. We rendezvoused for breakfast at 7:30 a.m. (rice, eggs, fresh fruit, toast, and assorted juices) and left at 8 a.m. for the park.

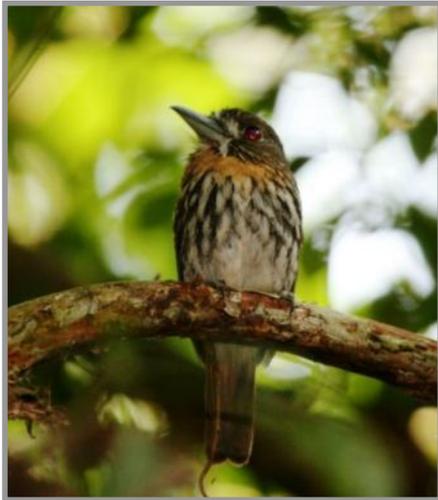


We arrived at Carara National Park at 8:15 a.m. and spent the morning hiking the main trail north of the headquarters. This 3-mile trail generally follows the Tarcoles River east-northeast and eventually passes a couple of small lagoons before ending at the river. This is a semi-humid forest with many large trees and several small clearings. We spent about 3 hours hiking our way in and then another 45 minutes hiking out. At the start of the trail we had great looks at a Lineated Woodpecker in its nest hole along the highway. Other birds along the morning hike included Boat-billed Herons (roosting at the lagoon – great looks!), Bare-throated Tiger-Heron, Double-toothed Kite, Bronzy Hermit, Baird's

Trogon, Pale-billed Woodpecker (two-note rap only), Wedge-billed Woodcreeper, Barred Antshrike, Sulphur-bellied and Streaked flycatchers, Riverside Wren, and Green and Red-legged honeycreepers. About a half mile in we encountered a small army ant swarm that was tended by 2 Gray-headed Tanagers and a Black-hooded Antshrike. Non-bird highlights included a turtle, a small pit viper, 2 White-nosed Coatis, morpho butterflies, Spectacled Caiman, and Black and Green iguanas. The hike ended at 12:15 p.m. when it was getting hot and time for lunch back at the hotel.



After lunch (rice with fish or chicken, fresh fruit, salad, bread, and juice) we relaxed for a couple of hours in the midday heat. Many students went swimming and took a short nap. At 2 p.m. several of us took a short walk up the road from the hotel. It was hot and muggy and birding was slow although we managed to find a nesting pair of Streak-headed Woodcreepers, Rose-throated Becard, Wilson's Warbler, and a Willet and 3 Ruddy Turnstones along the beach.

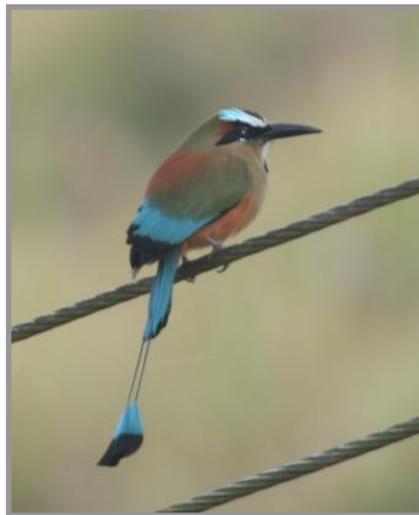


The group gathered at 3:30 p.m. to return to Carara National Park for a late afternoon hike south of the visitor center. The forest here was taller and more humid than where we hiked in the morning. The birds here were outstanding, especially the antbirds! A small army ant swarm provided close looks at Black-hooded Antshrike, Dot-winged Antwren, Chestnut-backed Antbird, Black-faced Antthrush, and White-whiskered Puffbird. Other birds included Little Tinamou, Cherrie's Tanager, and Yellow-crowned Euphonia. In addition to the birds the group had great looks at a Central American Agouti. We hiked here until dark and then returned to the hotel for dinner (rice with fish, chicken, or steak, hamburgers, salad, fresh fruit, and cake for dessert)

before heading to bed at 9 p.m. [mostly clear, light showers in late afternoon, temperature 74-92°F, wind WSW 5-15 mph]

### 17 March

We again arose early for a 5:30 a.m. bird hike before breakfast (eggs, bacon, rice, fresh fruit, toast, and assorted juices). We birded the road north of the hotel and saw many birds including 6+ Gray-necked Wood Rails on the road, Costa Rican



Swift, Canivet's Emerald, White-necked Puffbird, Turquoise-browed Motmot, Rose-throated Becard, Blue Grosbeak, Buff-throated Saltator, and White-collared and Variable seedeaters. We packed the van after breakfast and departed at 8:15 a.m. and followed the coast along the east side of the Gulf of Nicoya to Palo Verde National Park, arriving there at noon. We made a quick stop to scan some mudflats near Puntarenas and saw Black-bellied Plover, Whimbrel, Least Sandpiper, and Caspian and



Royal terns among hundreds of Laughing Gulls. The rest of the drive was mostly uneventful in terms of wildlife although we did see a cooperative pair of Roadside Hawks, a Double-striped Thick-Knee, another Turquoise-browed Motmot, 3 White-throated Magpie-Jays, and Tropical Gnatcatcher.

Our first task on arriving at Palo Verde NP was to eat lunch, although we soon learned that they had forgotten we were planning to be there! After a few minutes delay we sat down for lunch – roast chicken, rice and beans, flan, bread, and assorted juices. A lunchtime highlight was a walk-by male Great Curassow right outside the dining room! After lunch some people rested while others hiked around the biological station. The lagoons were relatively dry compared to previous visits and the overall number of waterbirds was below normal. Most of the birds were Black-bellied Whistling-Ducks (thousands of them!) but mixed in were many herons and egrets, Muscovy Duck, Blue-winged Teal, Limpkin, and Black-necked Stilt. Some of us encountered a cooperative troop of White-faced Capuchins and heard distant Golden-mantled Howler Monkeys. A pair of Turquoise-browed Motmots was displaying near the station entrance. At 3:30 p.m. Franklin drove us south of camp to a trail to an overlook to see the main lagoon. The views were spectacular and highlighted by brief looks at a



Hook-billed Kite. People took their time walking back to the station for dinner at 6 p.m. (chicken or beef on rice, beans, green beans, bread, and a fruit bar for dessert). After dinner we went on a short night hike along the edge of the lagoon where we found several Leopard Frogs, lizards, a 6” walking stick, calling Common Pauragues and Pacific Screech-Owls, a Northern Raccoon, and a White-tailed Deer in the strong winds. [partly cloudy, temperature 75-92°F, wind west 5-10 mph]

18 March

This morning we again arose early for a morning hike before breakfast. Several of us hiked north along the lagoon edge where a highlight was a small troop of Golden-mantled Howler Monkeys. The lagoon held many of the same waterbirds as the day before, although we particularly enjoyed hearing the “roar” of a calling Bare-throated Tiger-Heron. Breakfast was at 7 a.m. and consisted of rice, beans, eggs, fresh fruit, toast, and assorted juices. After



breakfast we met our guide, Alberto, for a morning tour of the forest near the biological station. This was an extremely productive hike in terms of information about the park, the lagoon, and the dry forest. We saw a group of 3 Central American Spider Monkeys (a real rarity in Palo Verde), Golden-mantled Howler Monkeys, White-faced Capuchins, a 5' boa constrictor, and many birds including 3 Jabiru, Snail Kite, Collared Forest-Falcon, and Long-tailed Manakin. The hike was strenuous and involved a steep climb to an overlook 200 meters above the station where we had excellent views of the lagoon and river. By lunchtime it was hot and windy and we were ready for a break. Lunch consisted of noodles with a meat and vegetable mix, fresh fruit, bread, and assorted juices.



After lunch we loaded into the bus for a short drive to the Rio Tempisque for an afternoon boat ride. We departed at 1:30 p.m. and returned at 4:30 p.m. The weather was exceptionally nice with a good breeze, some cloud cover, and pleasant temperatures. Our boat ride took us upstream (away from Bird Island) into some mangroves and side channels of the main river. We saw many troops of monkeys (howlers and capuchins), lots of

American Crocodiles, Green Iguanas, Long-nosed Bats roosting on the undersides of trees overhanging the river, and Brown Basilisks. There were many wading birds perched along the river plus Anhinga, Spotted Sandpiper, White-fronted Parrot, Ringed and Green kingfishers, and Mangrove Swallow. The highlight of the ride, however, was watching a White-faced Capuchin pick up a large stick, eventually break it over a tree trunk, and pick out some grubs for a meal! On the return ride to the station we saw a group of 9 Collared Peccaries, a Central American Agouti, at least 5 Great Curassows, and a Black-cowled Oriole. We relaxed a bit before dinner at 6 p.m. (rice and beans, pork ribs, cassava, fresh fruit cocktail, and assorted juices).



We then held a short group meeting after dinner to discuss trip highlights thus far, goals for the remainder of the trip, and plans for the next day. [clear to partly cloudy, temperature 77-90°F, wind SW 10-25 mph]

19 March

Several of us again awoke for an early morning bird hike before breakfast. We started before dawn and heard Spectacled and Mottled owls and several Turquoise-



browed Motmots and saw a cooperative Northern Tamandua. After a quick breakfast (rice, eggs, cheese, fresh fruit, juice) a few of us returned to the hills above the station to search for Long-tailed Manakins. At the base of the trail we saw troops of Golden-mantled Howler Monkeys and White-faced Capuchins and at least 8 Great Curassows. The trail behind the station was quite birdy and we had brief looks at a male Long-tailed Manakin plus

Mangrove Cuckoo, 2 Scarlet Macaws, Steely-vented Hummingbird, Ivory-billed and Streak-headed woodcreepers, Nutting's Flycatcher, and Yellow-throated Vireo. We loaded up the vans and departed the biological station by 8:30 a.m. On the way out of the park as we headed for the Pan American Highway we saw 2 pairs of Double-striped Thick-Knees, several Scissor-tailed Flycatchers, and Streak-backed Oriole. The drive to Lake Arenal was uneventful and we enjoyed the change in habitat and temperature as much as seeing a Brown-throated Three-toed Sloth and several each of White-throated Magpie-Jays and Brown Jays. We stopped at a nice roadside restaurant along the north side of Lake Arenal for lunch and the birding was excellent – Collared Aracaris, Orange-chinned Parakeet, Masked Tityra, Scarlet-thighed Dacnis, Green Honeycreeper, and Passerini's Tanager. Lunch was delicious – chicken, beef, or fish with mashed potatoes, cooked carrots and green beans, bread, and dessert. We departed at 1:15 p.m. and en route to La Selva we saw White-tailed Kite, 6+ Swallow-tailed Kites, a Plumbeous Kite, Ringed and Amazon kingfishers, and Yellow-billed Cacique. We finally arrived at La Selva Biological Station at 4:20 p.m. after a longer than expected drive!

After settling in to our rooms at La Selva we took a quick tour of the station grounds before dinner at 6 p.m. (beef, sausage, beans, cassava, salad, and a cookie). During our walk we saw a large group of Collared Peccaries, a Hoffman's Two-toed Sloth, several calling Great Tinamous, a Crested Guan, Lineated and Pale-billed woodpeckers, a pair of Long-tailed Tyrants, and an active Montezuma Oropendola colony. We met again at 7:30 p.m. for a night hike. La Selva has



been suffering from drought for a couple of years and this was apparently the year with the lowest rainfall and soil moisture in the last 10 years of record keeping. Nonetheless, we managed to find a good-sized Fer de Lance, a Massurana, two species of small frogs,

many interesting (and large!) spiders, a tarantula, and a Nine-banded Long-nosed Armadillo. Our night hike ended at 9 p.m. and after a short group meeting we were off to bed. [partly to mostly cloudy, intermittent light rain in the afternoon, temperature 72-90°F, winds variable 10-20 mph]

20 March



This was our only full day at La Selva and was unfortunately impacted by bad weather. The rain began around 3 a.m., continued for most of the morning, and let up only briefly in the afternoon. Several of us tried to bird before breakfast, but it was difficult because of the downpour. We still managed to find a few birds including all 3 toucans and Piratic and Boat-billed flycatchers. Breakfast was at 6:30 a.m. and consisted of rice, eggs, fresh fruit, a fig roll, and

juice. After lunch the class split into two groups, each with a guide, for a morning hike. Each group spent time on the station grounds, at the swamp, and in both the primary and secondary forest to experience a sample of the site's habitats. Our guide was very knowledgeable about the plants and history and we enjoyed the hike despite the rain. We saw relatively few birds but managed to see some interesting species like Great Curassow, Amazon and American Pygmy kingfishers, Stripe-throated (Little) Hermit, Barred Antshrike, White-winged Becard, and Stripe-breasted Wren. We met back at the station for lunch at noon – rice, beans, roast chicken, mixed vegetables, a cookie, and juice.

After lunch the group split up for some free time before a scheduled talk at 3:30 p.m. Three of us went on a long hike to the southeast of the station grounds (about a 5 mile hike) through some very nice primary forest. We saw Semiplumbeous Hawk, White-collared Swift, Rufous Motmot, Ocellated and Dusky antbirds (following a small army ant swarm), and Olive-backed Euphonia. But the highlight was when I stepped



on a small Fer-de-lance! The group met in the jaguar teaching room at 3:30 p.m. for a research talk by La Selva graduate student Erin Kuprewicz. She gave an excellent 1 hour talk about her work with seed predation, hoarding, and dispersal by Central American Agoutis and White-nosed Coatis. After the talk several of us birded the station grounds and river trail in the remaining daylight and saw White-collared Manakin, Bright-rumped Attila, Squirrel Cuckoo, Broad-billed Motmot, Green Hermit, Wedge-billed and Strong-billed woodcreepers, Dot-winged Antwren, Blue-and-gold Tanager, and Orange-billed Sparrow. Dinner was at 6 p.m. and consisted of rice, beans, steak cooked in a thick

sauce, green beans and carrots, a coconut cake, and juice. We had a class meeting at 7 p.m. and then went for a night hike. Highlights on the hike included a large Brown Blunt-nosed Vine Snake (about 1 m long), a couple of frogs, a preying mantis, and, for me, an Olingo walking on the bridge across the river. [overcast and foggy, heavy rain through 11 a.m., intermittent for the rest of the day, temperature 75-89°F, wind light and variable, very muggy]

21 March



This was our last morning at La Selva and thankfully the weather was nicer. A few of us again met at 5:30 a.m. for a bird hike and saw a Crested Guan with a brood, Common Black-Hawk, Olive-throated Parakeet, Squirrel Cuckoo, Chestnut-colored Woodpecker, Black-capped Tody-Flycatcher, Band-backed Wren, and Black-faced Grosbeak. We posed for a group photo at the OTS sign before loading the bus and departing at 9:30 a.m. From here we followed the base of the Central Mountains

east and then climbed rapidly through Braullio Carillo National Park to San Jose. We didn't make any extended stops, ate our sack lunches (sandwiches, hard boiled egg, chips, cookie, and water or juice) en route, and arrived at Savegre at 2 p.m.

After we checked into our rooms we enjoyed the beauty of the grounds and the hummingbird show. Birds seen around the hotel included 2 Resplendent Quetzals, 5 species of hummingbirds, Long-tailed Silky-Flycatcher, Yellow-winged Vireo, and Slaty Flowerpiercer. There was still plenty of time for a short hike so we went down the valley through the campground and took a short trail into the forest. During our hike we added several more including Sulphur-winged Parakeet, Emerald Toucanet, Silvery-fronted Tapaculo, Black Phoebe, Dark Pewee, Yellowish Flycatcher, Ruddy Treerunner, Mountain Robin, Collared Redstart, and Yellow-thighed Finch. We returned to the hotel by 6 p.m. for dinner – rice, mixed vegetables, rabbit, fried fish, and salad and dessert bars. [mostly clear, light rain in the mountains, temperature 55-88°F, winds light and variable]



22 March



We awoke early to the cool air of Savegre. Some of us wandered the grounds of the hotel before breakfast and saw many of the common birds including Osprey, Band-tailed Pigeon, Sooty Robin, and Flame-colored Tanager. Breakfast was delicious – rolls, rice, eggs, pancakes, French toast, fresh fruit, and juice. At 7 a.m. we met Merino Chacon for a morning hike of the reserve. We hiked downhill from the hotel along the road then

wound our way along the main stream to a waterfall on the western end of the property.

The valley was surprisingly crowded with the holiday weekend. The morning birding was excellent and we saw 8+ Resplendent Quetzals, Mountain Elaenia, Torrent Tyrannulet, Tufted Flycatcher, Golden-bellied Flycatcher, Ochraceous Wren, Black-faced Solitaire, Brown-capped Vireo, and Spangle-cheeked Tanager. We also saw several lizards including Green Spiny Lizard. Our hike ended at noon, just in time for lunch that consisted of rice, tortillas, chicken, fish, fresh fruit, and a salad bar.



After lunch the group split for several afternoon activities. Most people went on a hike while a few also took a 1-hour horse ride to a waterfall. My group hiked down the valley to a waterfall while other groups hiked up the mountain above camp and walked the Los Robles trail for a couple of miles. Some of the birds seen included Black Guan, Buffy Tuftedcheek, American Dipper, Black-billed Nightingale-Thrush, Black-bellied Siskin, Rufous-browed Peppershrike, Golden-winged, Flame-throated, and Black-cheeked warblers, Black-thighed Grosbeak, and Yellow-thighed

Finch. All of us assembled for dinner at 6:30 p.m. and enjoyed rice, beans, mixed vegetables, a cheese enchilada, grilled chicken (the tastiest chicken I have ever had!), baked trout, salad and dessert bar, and beer. After dinner we held a short group meeting and called it an evening at 8 p.m. [partly cloudy, temperature 51-77°F, wind SW 5-10 mph]

23 March

This was our last full day in Costa Rica and the plan was to spend the morning at Savegre and then travel to San Juan after an early lunch. Several of us again met at 5:30 a.m. for some birding on the hotel grounds. The highlights were a pair of Resplendent Quetzals and a pair of Torrent Tyrannulets on the stream right by the hotel. We ate breakfast at 6:30 a.m. –



rice, eggs, fried plantain, a meat tortilla, pancakes, French toast, assorted fruit, juice, and coffee. After lunch the group split to cover areas not visited the day before. One group went with Jim to explore a second waterfall while I took 3 people up the mountain to the base of the Los Robles trail. My group had an excellent morning of birding and saw Ruddy Pigeon, a Costa Rican Pygmy-Owl at its nest hole, Green-fronted Lancebill, Collared Trogon, Streak-breasted



Treehunter, Hairy Woodpecker, Silver-throated Jay, Rufous-browed Peppershrike, and Large-footed Finch. There were also hundreds of migrating Broad-winged Hawks and smaller numbers of Swallow-tailed Kites, and we later learned of an early morning flight of Swainson's Hawks that we had missed. We arrived back at the hotel at 11 a.m. in time to load the bus. After a quick lunch (rice, beans, mixed vegetables, chicken, fried trout, salad and dessert bars, and juice) we were on the road by 12:30 p.m. We made a quick stop in paramo habitat where we saw Timberline Wren, Slaty Finch, and Volcano Junco.

We then made a beeline for San Jose, but made quick stops to shop for coffee and trinkets. We arrived at Hotel Rincon de San Jose at 4 p.m. and had reservations for dinner at 6:30 p.m. Franklin and his wife joined us for dinner and our final class meeting. [mostly clear, temperature 53-82°F, winds light and variable]

24 March

This was our travel day home. We had a 7 a.m. flight from San Juan, so we departed the hotel at 4:30 a.m. and barely made the flight because of all the travel traffic. Our flights home were fine, although we nearly missed the last flight from Chicago to Des Moines and weren't back in Ames until almost midnight!



Map available at [http://www.wildland.com/trips/centralamerica/cos\\_map.aspx](http://www.wildland.com/trips/centralamerica/cos_map.aspx)

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**Mammals**

Common Opossum  
Northern Tamandua  
Brown-throated Three-toed Sloth  
Hoffman's Two-toed Sloth  
Nine-banded Long-nosed  
Armadillo  
Long-nosed Bat  
White Tent Bat  
White-faced Capuchin  
Golden-mantled Howler Monkey  
Central American Spider  
Monkey  
Red-tailed Squirrel  
Variegated Squirrel  
Central American Agouti  
Eastern Cottontail  
Northern Raccoon  
White-nosed Coati  
Olingo  
Collared Peccary  
White-tailed Deer

**Birds**

Great Tinamou  
Highland Tinamou  
Little Tinamou  
Black-bellied Whistling-Duck  
Muscovy Duck  
Blue-winged Teal  
Crested Guan  
Black Guan  
Great Curassow  
Brown Pelican  
Neotropic Cormorant  
Anhinga  
Magnificent Frigatebird  
Bare-throated Tiger-Heron  
Great Blue Heron  
Great Egret  
Snowy Egret  
Little Blue Heron  
Tricolored Heron  
Cattle Egret  
Green Heron  
Black-crowned Night-Heron  
Yellow-crowned Night-Heron  
Boat-billed Heron  
White Ibis  
Glossy Ibis  
Roseate Spoonbill  
Jabiru  
Wood Stork  
Black Vulture  
Turkey Vulture  
Osprey  
Hook-billed Kite  
Swallow-tailed Kite  
White-tailed Kite  
Snail Kite  
Double-toothed Kite  
Mississippi Kite

Plumbeous Kite  
Crane Hawk  
Semiplumbeous Hawk  
Common Black-Hawk  
Mangrove Black-Hawk  
Roadside Hawk  
Broad-winged Hawk  
Gray Hawk  
Swainson's Hawk  
Red-tailed Hawk  
Collared Forest-Falcon  
Crested Caracara  
Yellow-headed Caracara  
Laughing Falcon  
American Kestrel  
Peregrine Falcon  
Gray-necked Wood-Rail  
Limpkin  
Double-striped Thick-knee  
Black-bellied Plover  
Black-necked Stilt  
Northern Jacana  
Spotted Sandpiper  
Willet  
Whimbrel  
Ruddy Turnstone  
Least Sandpiper  
Laughing Gull  
Caspian Tern  
Royal Tern  
Rock Pigeon  
Red-billed Pigeon  
Band-tailed Pigeon  
Ruddy Pigeon  
Short-billed Pigeon  
White-winged Dove  
Inca Dove  
Common Ground-Dove  
Ruddy Ground-Dove  
White-tipped Dove  
Gray-chested Dove  
Sulphur-winged Parakeet  
Crimson-fronted Parakeet  
Olive-throated Parakeet  
Scarlet Macaw  
Orange-chinned Parakeet  
White-fronted Parrot  
Red-lored Parrot  
Mealy Parrot  
Yellow-naped Parrot  
Squirrel Cuckoo  
Mangrove Cuckoo  
Groove-billed Ani  
Pacific Screech-Owl  
Spectacled Owl  
Costa Rican Pygmy-Owl  
Ferruginous Pygmy-Owl  
Mottled Owl  
Lesser Nighthawk  
Common Nighthawk  
Common Pauraque  
Black Swift

White-collared Swift  
Chimney Swift  
Vaux's Swift  
Costa Rican Swift  
Bronzy Hermit  
Green Hermit  
Long-billed Hermit  
Green-fronted Lancebill  
White-necked Jacobin  
Green Violet-ear  
Canivet's Emerald  
Violet-crowned Woodnymph  
Blue-throated Goldentail  
Steely-vented Hummingbird  
Rufous-tailed Hummingbird  
Cinnamon Hummingbird  
White-throated Mountain-Gem  
Magnificent Hummingbird  
Purple-crowned Fairy  
Volcano Hummingbird  
Scintillant Hummingbird  
Black-headed Trogon  
Baird's Trogon  
Violaceous Trogon  
Collared Trogon  
Black-throated Trogon  
Slaty-tailed Trogon  
Resplendent Quetzal  
Blue-crowned Motmot  
Rufous Motmot  
Broad-billed Motmot  
Turquoise-browed Motmot  
Ringed Kingfisher  
Belted Kingfisher  
Amazon Kingfisher  
Green Kingfisher  
American Pygmy Kingfisher  
White-necked Puffbird  
White-whiskered Puffbird  
Emerald Toucanet  
Collared Aracari  
Keel-billed Toucan  
Chestnut-mandibled Toucan  
Acorn Woodpecker  
Black-cheeked Woodpecker  
Hoffmann's Woodpecker  
Hairy Woodpecker  
Chestnut-colored Woodpecker  
Lineated Woodpecker  
Pale-billed Woodpecker  
Ruddy Treerunner  
Buffy Tuftedcheek  
Streak-breasted Treehunter  
Wedge-billed Woodcreeper  
Strong-billed Woodcreeper  
Ivory-billed Woodcreeper  
Spotted Woodcreeper  
Streak-headed Woodcreeper  
Spot-crowned Woodcreeper  
Fasciated Antshrike  
Barred Antshrike  
Black-hooded Antshrike

Dot-winged Antwren  
Dusky Antbird  
Chestnut-backed Antbird  
Ocellated Antbird  
Black-faced Antthrush  
Silvery-fronted Tapaculo  
Yellow-bellied Elaenia  
Mountain Elaenia  
Torrent Tyrannulet  
Ochre-bellied Flycatcher  
Common Tody-Flycatcher  
Black-headed Tody-Flycatcher  
Yellow-olive Flycatcher  
Yellow-margined Flycatcher  
Royal Flycatcher  
Tufted Flycatcher  
Dark Pewee  
Yellowish Flycatcher  
Black-capped Flycatcher  
Black Phoebe  
Long-tailed Tyrant  
Bright-rumped Attila  
Dusky-capped Flycatcher  
Nutting's Flycatcher  
Brown-crested Flycatcher  
Great Kiskadee  
Boat-billed Flycatcher  
Social Flycatcher  
Golden-bellied Flycatcher  
Streaked Flycatcher  
Sulphur-bellied Flycatcher  
Piratic Flycatcher  
Tropical Kingbird  
Scissor-tailed Flycatcher  
Cinnamon Becard  
White-winged Becard  
Rose-throated Becard  
Masked Tityra  
Black-crowned Tityra  
Yellow-billed Cotinga  
White-collared Manakin  
Long-tailed Manakin  
Yellow-throated Vireo  
Yellow-winged Vireo  
Brown-capped Vireo  
Philadelphia Vireo  
Yellow-green Vireo  
Lesser Greenlet  
Rufous-browed Peppershrike  
White-throated Magpie-Jay  
Brown Jay  
Silvery-throated Jay  
Gray-breasted Martin  
Mangrove Swallow  
Blue-and-white Swallow  
Northern Rough-winged Swallow  
Southern Rough-winged Swallow  
Bank Swallow

Cliff Swallow  
Barn Swallow  
Band-backed Wren  
Rufous-naped Wren  
Riverside Wren  
Stripe-breasted Wren  
Rufous-breasted Wren  
Plain Wren  
House Wren  
Ochraceous Wren  
Timberline Wren  
Gray-breasted Wood-Wren  
American Dipper  
Long-billed Gnatwren  
Tropical Gnatcatcher  
Black-faced Solitaire  
Black-billed Nightingale-Thrush  
Ruddy-capped Nightingale-Thrush  
Swainson's Thrush  
Wood Thrush  
Sooty Robin  
Mountain Robin  
Clay-colored Robin  
White-throated Robin  
Long-tailed Silky-flycatcher  
Golden-winged Warbler  
Tennessee Warbler  
Flame-throated Warbler  
Yellow Warbler  
Chestnut-sided Warbler  
Black-throated Green Warbler  
Black-and-white Warbler  
Northern Waterthrush  
Louisiana Waterthrush  
Kentucky Warbler  
Wilson's Warbler  
Collared Redstart  
Rufous-capped Warbler  
Black-cheeked Warbler  
Buff-rumped Warbler  
Bananaquit  
Common Bush-Tanager  
Sooty-capped Bush-Tanager  
Dusky-faced Tanager  
Gray-headed Tanager  
Red-throated Ant-Tanager  
Summer Tanager  
Flame-colored Tanager  
Passerini's Tanager  
Cherrie's Tanager  
Blue-gray Tanager  
Palm Tanager  
Blue-and-gold Tanager  
Golden-hooded Tanager  
Spangle-cheeked Tanager  
Scarlet-thighed Dacnis  
Green Honeycreeper  
Red-legged Honeycreeper  
Blue-black Grassquit

Variable Seedeater  
White-collared Seedeater  
Blue Seedeater  
Yellow-faced Grassquit  
Slaty Finch  
Slaty Flowerpiercer  
Yellow-thighed Finch  
Large-footed Finch  
Orange-billed Sparrow  
Black-striped Sparrow  
Rufous-collared Sparrow  
Grayish Saltator  
Buff-throated Saltator  
Black-headed Saltator  
Black-faced Grosbeak  
Black-thighed Grosbeak  
Rose-breasted Grosbeak  
Blue Grosbeak  
Red-winged Blackbird  
Melodious Blackbird  
Great-tailed Grackle  
Bronzed Cowbird  
Black-cowled Oriole  
Streak-backed Oriole  
Bullock's Oriole  
Baltimore Oriole  
Yellow-billed Cacique  
Montezuma Oropendola  
Scrub Euphonia  
Yellow-crowned Euphonia  
Olive-backed Euphonia  
White-vented Euphonia  
Yellow-bellied Siskin  
House Sparrow

**Amphibians and reptiles**  
Smooth-skinned Toad  
Giant Toad  
Strawberry Poison-dart Frog  
Common Rain Frog  
Leopard Frog  
Spectacled Caiman  
American Crocodile  
Red-cheeked Mud Turtle  
House Gecko  
Common Basilisk  
Green Basilisk  
Striped Basilisk  
Five-keeled Spiny-tailed Iguana  
Black Spiny-tailed Iguana  
Green Iguana  
Yellow-headed Gecko  
Green Spiny Lizard  
Central American Whip-tailed Lizard  
Boa Constrictor  
Coffee Snake  
Brown Blunt-headed Vine Snake  
Fer-de-lance